

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): Apparatus for [[the]] mixing [[of]] explosive materials, comprising:

a reservoir of pre-mixed explosive material[[,]];

a reservoir of hardener material[[,]]; and

a static mixer [[means]][[,]]; wherein,

each of said reservoirs ~~having~~ has separate ~~pipe means~~ pipings for conveying said ~~pre-cure~~ pre-mixed explosive material and said hardener material, respectively, to a static mixer [[means]] for mixing;

a flow of pre-mixed explosive material towards said static mixer is controlled by a hydraulic cylinder and ram assembly.

Claim 2 (currently amended): Apparatus for [[the]] mixing [[of]] explosive materials in accordance with claim 1, wherein said materials are combined substantially at [[the]] an inlet of said static mixer [[means]].

Claim 3 (currently amended): Apparatus for [[the]] mixing [[of]] explosive materials in accordance with claim 1, wherein [[the]] an outlet of said static mixer [[means]] is connected to [[means]] piping for ~~effecting the~~ filling [[of]] ordnance with mixed explosive material.

Claim 4 (currently amended): Apparatus for [[the]] mixing [[of]] explosive materials in accordance with claim 1 wherein the [[means]] piping for filling ~~each of said~~ ordnance ~~components~~ with [[said]] combined final explosive material is controlled such that the respective pre-mix explosive material and hardener materials are introduced to the static mixer [[means]] on demand, the demand being controlled by an automated ordnance fill level ~~control means~~ controller.

Claim 5 (currently amended): Apparatus for [[the]] mixing [[of]] explosive materials in accordance with claim [[1]] 4 wherein said ~~fill to level control means~~ automated ordnance fill level controller comprises at least one fiber optic sensor.

Claims 6-9 (canceled).

Claim 10 (new): Apparatus for mixing explosive materials in accordance with claim 1, wherein the pre-mix explosive comprises PBX.

Claim 11 (new): Apparatus for mixing explosive materials comprising:

a hydraulic cylinder and ram assembly for providing a flow of pre-mixed explosive material; and

a flow meter for measuring a flow of hydraulic fluid in said hydraulic cylinder and ram assembly for determining said flow of said pre-mixed explosive material.

Claim 12 (new): A method for mixing explosive materials comprising:

holding pre-mixed explosive material in a reservoir;

holding hardener material in a reservoir;

conveying said pre-mixed explosive material and said hardener material to a static mixer via separate pipes; and

controlling a flow of pre-mixed explosive towards said static mixer using a hydraulic cylinder and ram assembly.